

TITLE 326 AIR POLLUTION CONTROL BOARD**Final Rule**

LSA Document #09-476(F)

DIGEST

Amends [326 IAC 6.8-2-8](#) and [326 IAC 7-4.1-5](#) concerning the particulate matter and sulfur dioxide emission limitations at Cargill, Incorporated (Cargill) in Hammond, Indiana. Effective 30 days after filing with the Publisher.

HISTORY

First Notice of Comment Period: July 1, 2009, Indiana Register (DIN: [20090701-IR-326090476FNA](#)).

Second Notice of Comment Period: December 23, 2009, Indiana Register (DIN: [20091223-IR-326090476SNA](#)).

Notice of First Hearing: December 23, 2009, Indiana Register (DIN: [20091223-IR-326090476PHA](#)).

Date of First Hearing: April 13, 2010.

Proposed Rule: April 28, 2010, Indiana Register (DIN: [20100428-IR-326090476PRA](#)).

Notice of Second Hearing: April 28, 2010, Indiana Register (DIN: [20100428-IR-326090476PHA](#)).

Date of Second Hearing: September 1, 2010.

[326 IAC 6.8-2-8](#); [326 IAC 7-4.1-5](#)

SECTION 1. [326 IAC 6.8-2-8](#) IS AMENDED TO READ AS FOLLOWS:

[326 IAC 6.8-2-8](#) Cargill, Inc.

Authority: [IC 13-14-8](#); [IC 13-17-3-4](#); [IC 13-17-3-11](#)

Affected: [IC 13-15](#); [IC 13-17](#)

Sec. 8. (a) Cargill, Inc., in Lake County, source identification number 00203, shall meet the following emission limits:

Source	Stack Number	Emission Limits	
		lbs/hr	gr/dscf
Stack serving boiler numbers 6 and 7	10-03-U-P and 10-04-U	30.3	
Stack serving boiler numbers 8 and 10	10-05-U-P and 10-06-U	22.7	
Corn syrup solids dust collection system number 2	18-03-R-P 18-03-R	0.30	0.01
Receiver for first stage germ dryer	21A-01-G	0.12	0.015
First stage germ dryer exhaust	21A-02-G	0.67	0.04
Corn screening system	30-16-G	0.06	0.01
Corn receiving and storage-bin vent #5	33-01-G	0.171	0.02
Corn receiving and storage-bin vent #6	33-02-G	0.171	0.02
Corn cleaner	33-03-G	0.21	0.01
Batch scale hopper #1	34-01-S	0.04	0.01
Dextrin starch reactor #1	34-02-S	0.180	0.01
Dextrin starch cooler #1	34-03-S	0.042	0.01
Surge hopper #1	34-05-S	0.11	0.01
Dextrin feed hoppers: 1 and 2 (System 1)	34-06-S and 34-07-S	0.030	0.01
Dextrin starch cooler	34B-01-S	0.042	0.01
Surge hopper #2	34B-03-S	0.114	0.01
Dextrin starch reactor #2	34B-04-S	0.179	0.01
Dextrin feed hoppers: 3 and 4 (System 2)	34B-05-S and 34B-06-S	0.030	0.01
Batch scale hopper No. 2	34B-13-S	0.067	0.01
Dextrin bulk loading equipment	48-09-S	0.26	0.01
Receiver for second stage germ dryer	51A-01-G	0.19	0.02
Second stage germ dryer exhaust	51A-02-G	1.01	0.015
Starch milling system number 1	59-01-S	0.43	0.01
Starch milling system number 2	59-02-S	0.43	0.01

Starch ring dryer number 2	59-03-S	3.50	0.006
Fiber drying equipment	89-01-G	4.50	0.01
Rotary feed dryer	89-03-G	4.5	0.03
Dried corn syrup conveying system, frodex	93-04-W	0.069	0.01
Corn syrup solids conveyor equipment	93-05-W	0.066	0.01
Frodex semibulk packing system, building 93	93-08-W	0.083	0.01
Each stack serving bag dump numbers 1 and 2	93-09-W and 93-10-W	0.10	0.01
Starch bulk loading	93-14-W	0.273	0.01
Starch vacuum clean-up system	93-15-W	0.021	0.01
Starch mixing and bagging system #1	93-16-W	0.130	0.01
Starch mixing and bagging system #2	93-17-W	0.264	0.01
New corn syrup spray dryer cooler system number 3 (SIP #2)	100-01-R	4.96	0.015
#4 corn syrup spray dryer	100-03-R	4.2	0.01
Carbon regeneration furnace #2	104-01-R	0.728	0.015
Soda ash tank	104-02-R	0.154	0.02
Filter aid hopper	104-03-R	0.044	0.02
Sodium bisulfate bag dump	104-05-R	0.080	0.02
Each stack serving bulk corn starch storage bin numbers 20 through 36 (five (5) stacks may operate at one (1) time)	120-01-S to 120-17-S	0.56	0.01
Gluten dryer system	121-01-G	3.0	0.03
Waxy feed drum dryer scrubber	124-01-G	11.12	0.03
Waxy feed milling equipment	124-22-G	0.054	0.04
Germ dryer/cooler	124A-01-G	1.852	0.02
Starch ring dryer number 3	125-01-S	3.50	0.006
Waxy bulk cornstarch storage bins numbers 95 through 98 (only one (1) may operate at a time)	126-01-S to 126-04-S	0.16	0.01
BCD dryer, building 127	127-01-B	0.57	0.04
#1 and #2 vacuum cleaner system	127-21-B and 127-22-B	0.031	0.01
#1 and #2 BCD storage hopper alternate carbohydrate storage bins	127-23-B and 127-24-B 127-28-B and 127-29-B	0.18	0.01
BCD Alternate carbohydrate mill feeder hopper	127-25-B 127-30-B	0.028	0.01
Special starch process with starch dryer number 4, building 128	128-01-S	3.5	0.01
Four products blending systems, building 93	130-01-S-P 130-01-S to 130-04-S	0.42	0.01
Dextrin blender	130-05-S	0.248	0.01
Corn receiving and storage-bin vent #1 and #2	140-01-G and 140-02-G	0.343	0.02
Corn receiving and storage-bin vent #3 and #4	140-03-G and 140-04-G	0.343	0.02
Corn dump pit	140-05-G	1.286	0.01
Gravity take-up conveyor system	140-06-G	0.154	0.01
Corn elevator conveying	140-07-G	0.086	0.01

(b) Boiler number 1 and boiler number 2 shall fire natural gas only.

(Air Pollution Control Board; [326 IAC 6.8-2-8](#); filed Aug 10, 2005, 1:00 p.m.: 28 IR 3509; filed Jan 23, 2008, 1:44 p.m.: [20080220-IR-326040279FRA](#); filed Oct 20, 2010, 9:02 a.m.: [20101117-IR-326090476FRA](#))

SECTION 2. [326 IAC 7-4.1-5](#) IS AMENDED TO READ AS FOLLOWS:

[326 IAC 7-4.1-5](#) Cargill, Inc. sulfur dioxide emission limitations

Authority: [IC 13-14-8](#); [IC 13-17-3-4](#); [IC 13-17-3-11](#)

Affected: [IC 13-15](#); [IC 13-17](#)

Sec. 5. (a) Cargill, Inc., Source Identification Number 00203, shall comply with the sulfur dioxide emission limits in pounds per million British thermal units (MMBtu) and pounds per hour as follows:

(1) Boilers 6, 7, 8, and 10 shall be limited to one and four thousand three hundred seventy-five ten-thousandths (1.4375) pounds per MMBtu and five hundred eighty-four (584) pounds per hour for all four

~~(4) boilers;~~

~~(2) By one (1) year from the effective date of this rule, other emissions units shall be limited as follows:~~

Emissions Unit Description	Emissions Unit Identification	Emission Limit lbs/hour
(A) (1) Gluten Dryer System	121-01-G	9.13 0.68
(B) Waxy Feed Drum Dryer	124-01	2.28
(C) (2) Fiber Dryer and Drying Equipment	89-01-G	9.13 3.95
(D) Rotary Feed Dryer	89-03	6.85
(E) Germ Dryer 1st Stage	21-A-02	1.14
(F) Germ Dryer 2nd Stage	51-A-02	1.14
(G) (3) Germ Dryer	124-A-01	9.13 0.77
(H) (4) Carbon Regen Furnace	104-01-R	4.57 0.11
(I) (5) Biogas Flare	800-04-E	9.13

(b) Cargill, Inc. shall

~~(1) maintain records of average sulfur content, fuel oil usage, and boiler operating load for each hour in which any boiler operates on fuel oil;~~

~~(2) submit a report to the department within thirty (30) days after the end of each calendar quarter containing the records listed in subdivision (1) and a calculation of the total sulfur dioxide emissions from Boilers 6, 7, 8, and 10 for each hour; and~~

~~(3) submit a quarterly report of the twelve (12) month rolling total of all sulfur dioxide emissions in tons per year.~~

(Air Pollution Control Board; [326 IAC 7-4.1-5](#); filed May 25, 2005, 10:50 a.m.: 28 IR 2956; filed Oct 20, 2010, 9:02 a.m.: [20101117-IR-326090476FRA](#))

LSA Document #09-476(F)

Proposed Rule: [20100428-IR-326090476PRA](#)

Hearing Held: September 1, 2010

Approved by Attorney General: October 15, 2010

Approved by Governor: October 18, 2010

Filed with Publisher: October 20, 2010, 9:02 a.m.

Documents Incorporated by Reference: None Received by Publisher

Small Business Regulatory Coordinator: Alison Beumer, IDEM Compliance and Technical Assistance Program - OPPTA, MC 60-04 IGCS W041, 100 North Senate Avenue, Indianapolis, IN 46204-2251, (317) 232-8172 or (800) 988-7901, ctap@idem.in.gov

Small Business Assistance Program Ombudsman: Brad Baughn, IDEM Small Business Assistance Program Ombudsman, MC 50-01 IGCN 1307, 100 North Senate Avenue, Indianapolis, IN 46204-2251, (317) 234-3386, bbaughn@idem.in.gov

Posted: 11/17/2010 by Legislative Services Agency

An [html](#) version of this document.